Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/12/2020 11:13 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125953	0	3.04	126100	3.05
Blue	F	SSC	125000	125343	0	2.40	126115	2.38
Blue	E	FITC	15892	15441	-3	2.97	337	20.39
Blue	D	PE	29999	29420	-2	2.14	639	14.99
Blue	B	PerCP-Cy5-5	43732	43484	-1	3.90	1167	20.87
Blue	A	PE-Cy7	30845	30767	-1	6.23	584	42.77
Red	C	APC	46112	45173	-3	2.52	1595	12.11
Red	A	APC-Cy7	30458	29623	-3	2.45	780	12.03
Violet	B	V450	7918	7650	-4	4.07	436	12.92
Violet	A	V500	32171	30811	-5	3.79	722	10.40

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17195	15.50	641	20	N/A	N/A	Pass
Blue	F	SSC	57641	1.53	579	20	N/A	N/A	Pass
Blue	E	FITC	61	67.39	552	9	0.0203	213	Pass
Blue	D	PE	133	51.50	558	10	0.1644	299	Pass
Blue	B	PerCP-Cy5-5	213	51.70	665	9	0.0087	70	Pass
Blue	A	PE-Cy7	108	107.83	710	12	0.0100	21	Pass
Red	C	APC	381	25.56	588	4	0.0249	191	Pass
Red	A	APC-Cy7	173	29.65	559	3	0.0057	1390	Pass
Violet	B	V450	65	62.17	459	1	0.0586	2656	Pass
Violet	A	V500	107	36.34	474	0	0.0245	1270	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/12/2020 11:13 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.54	-32.10	1.06
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.41
Red	16.53	13.60 - 20.40	N/A	N/A	29.64	29.88	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.83

Threshold

Threshold (FSC): 10614

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments